ABSTRACT OF THE TALK

Social behaviors such as mating, fighting, defense, predation and parenting, are innate, indispensable and ubiquitous across the animal kingdoms. Research in our laboratory centers on understanding the neural circuits underlying these powerful behaviors in a genetically tractable model system, mice. We are interested in investigating how the sensory information is relayed, integrated, extracted and diverged to ultimately cause the behavioral output. Various genetic engineering, tracing, functional manipulation, in vivo electrophysiological recording and computational tools are combined to dissect the neural circuits in a great detail.

BIOGRAPHY

Dayu Lin received her Ph.D. degree from Department of neurobiology at Duke University in 2005, mentored by Dr. Lawrence C. Katz. She then continued her postdoctoral training at Caltech with Dr. David J. Anderson. In November 2010, she started her independent research group at NYU Langone medical center studying the neural mechanisms of social behaviors.